

CORPORATE SOURCE: G.  
 SOURCE: State Univ. of New York, Buffalo, N. Y., USA  
 Anal. Biochem. (1969), 31, 399-404  
 CODEN: ANBCA2  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L9 ANSWER 67 OF 67 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1964:38909 CAPLUS  
 DOCUMENT NUMBER: 60:38909  
 ORIGINAL REFERENCE NO.: 60:6881a-d  
 TITLE: Structure of grifolin, an antibiotic from a  
 basidiomycete  
 AUTHOR(S): Goto, Toshio; Kakisawa, Hiroshi; Hirata, Yoshimasa  
 CORPORATE SOURCE: Univ. Nagoya, Japan  
 SOURCE: Tetrahedron (1963), 19(12), 2079-83  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable

=> d his

(FILE 'HOME' ENTERED AT 18:27:08 ON 10 MAR 2002)

FILE 'REGISTRY' ENTERED AT 18:27:18 ON 10 MAR 2002

L1 0 S 5 AMINOLEVULINIC ACID/CN  
 L2 1 S AMINOLEVULINIC ACID/CN

FILE 'EMBASE, USPATFULL, CAPLUS, BIOSIS' ENTERED AT 18:27:58 ON 10 MAR 2002

L3 18221 S L2 OR (AMINOLEVULINIC ACID) OR ALADERM OR LEVULINIC  
 L4 185966 S TINEA OR FUNGUS  
 L5 68 S L3 AND L4  
 E ONYCHOMYCOSIS  
 E ONYCHOMYCOSIS/CT  
 E E3 + ALL  
 E E3 + AT

FILE 'EMBASE' ENTERED AT 18:31:18 ON 10 MAR 2002

E E3 + ALL

FILE 'USPATFULL, EMBASE, CAPLUS, BIOSIS' ENTERED AT 18:32:08 ON 10 MAR 2002

E ONYCHOMYCOSIS/CT  
 L6 1800 S E2-E18  
 L7 2248 S L6 OR ONYCHOMYCOSES OR (NAIL (10W) MYCOSIS) OR (NAIL (20W) F  
 L8 1 S L3 AND L7  
 L9 67 DUPLICATE REMOVE L5 (1 DUPLICATE REMOVED)

L8 ANSWER 1 OF 1 USPATFULL  
 AN 2000:91943 USPATFULL  
 TI Phototherapy based method for treating pathogens and composition for effecting same  
 IN Lurie, Raz, Tel Aviv, Israel  
 PA Dermatolazer Technologies Ltd., Tel Aviv, Israel (non-U.S. corporation)  
 PI US 6090788 20000718  
 AI US 1999-343199 19990630 (9)  
 RLI Continuation of Ser. No. WO 1998-US14162, filed on 13 Jul 1998  
 DT Utility  
 FS Granted  
 LN.CNT 1076  
 INCL INCLM: 514/023.000  
 INCLS: 427/595.000; 427/596.000; 606/002.000; 606/003.000  
 NCL NCLM: 514/023.000  
 NCLS: 427/595.000; 427/596.000; 606/002.000; 606/003.000  
 IC [7]  
 ICM: A61K031-70  
 EXF 514/23; 514/557; 427/78.04; 427/595; 427/596; 606/2; 606/3  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L8 ANSWER 1 OF 1 USPATFULL  
 SUMM . . . for effecting same. More particularly, the present invention relates to a laser based method and a pharmaceutical composition for treating **nail** and skin associated pathogens, such as **fungi**, yeast, bacteria, and viruses which cause nail and skin infections.  
 SUMM Onychomycosis is a general infection of the **nail** unit caused by **fungal** microorganisms such as dermatophytes, yeasts, and nondermatophyte molds. The term tinea unguium refers to dermatophytic infection of a nail unit.  
 SUMM Onychomycosis occurs worldwide and its incidence has been steadily increasing [Daniel (1991) The diagnosis of **nail fungal** infection. Arch. Dermatol. 127:1566-1567]. Nail disorders comprise approximately 10% of all dermatologic conditions [Farmer et al. (1996) Guidelines of care for **nail** disorders. J. Am. Acad. Dermatol. 34:329-533]. Up to 50% of all **nail** disorders are caused by **fungal** infections [Achten and Wanet-Rouard (1978) Onychomycosis in the laboratory. Mykosen 23:125-127; and Andre and Achten (1987) Onychomycosis. Int. J. Dermatol.. . .  
 SUMM With reference to FIG. 1, presented is a human toe nail having a plate 10 a **nail** bed 12 and a matrix or growth origin 14. There are four major types of **fungal** nail infections: distal subungual onychomycosis (DSO), proximal subungual onychomycosis (PSO), white superficial onychomycosis (SFO) and Candida onychomycosis (CAN). The affected regions are marked in FIG. 1. Each of the four types of fungal **nail** infections is differentiated on the basis of the pattern of **fungal** invasion into the nail plate and by the causative pathogen.  
 SUMM Nonpharmacological approaches: Various nonpharmacological approaches are used to manage **nail fungal** infections, including buffing or filing of the nails, nail avulsion or debridement, and the use of surgery and/or various chemicals. . .  
 DETD . . . infections. Specifically, the present invention can be used for

treating pathogens, such as, fungi, yeast, bacteria and viruses which cause **nail** and skin infections. In particular, the present invention can be used for treating onychomycosis caused, for example,

by Trichophyton rubrum, **fungal** skin infections, such as, tinea corporis, tinea capitis, tinea barbae, tinea facie (of the face), tinea pedis, tinea manum, tinea. . .

CLM What is claimed is:

1. A method for treating an area of skin or **nail** infected with a **fungal** pathogen, the method comprising the steps of causing said **fungal** pathogen to include a light absorbing substance and irradiating the area of skin or nail with a light beam having. .

IT 50-99-7, Dextrose, biological studies 57-13-6, Urea, biological studies

61-73-4, Methylene blue 69-72-7, Salicylic acid, biological studies 76-59-5, Bromthymol blue 83-88-5, Riboflavin, biological studies 85-83-6, Scarlet red 88-89-1, Picric acid 92-84-2D, Phenothiazine, derivs. 106-60-5, 5-Aminolevulinic acid 115-40-2, Bromcresol purple 143-74-8, Phenol red 314-13-6, Evans blue 479-61-8D,

derivs.

502-65-8, Lycopene 569-61-9, Pararosaniline chloride 574-93-6, Phthalocyanine 633-03-4, Brilliant green 2030-63-9, Clofazimine 2412-14-8, Thiopyronin 4197-24-4 7439-89-6, Iron, biological studies 7439-89-6D, Iron, salts 7439-97-6, Mercury, biological studies 7440-22-4, Silver, biological studies 7440-50-8, Copper, biological studies 7440-57-5, Gold, biological studies 7440-66-6, Zinc, biological studies 7440-69-9, Bismuth, biological studies 7664-93-9, Sulfuric acid, biological studies 9005-65-6, Tween 80 10118-90-8, Minocycline 14320-04-8D, Zinc phthalocyanine, derivs. 19660-77-6, Chlorin e6 25550-58-7, Dinitrophenol 37251-80-2, Toluidine blue 39378-61-5, Bromcresol 51811-82-6, Giemsa's stain 110230-98-3 122341-38-2

(phototherapy-based method and compn. for treating pathogens)

L9 ANSWER 1 OF 67 USPATFULL

ACCESSION NUMBER: 2001:155439 USPATFULL  
TITLE: Photochemotherapeutic method using 5-  
**aminolevulinic acid** and other  
precursors of endogenous porphyrins  
INVENTOR(S): Kennedy, James C., Kingston, Canada  
Pottier, Roy H., Kingston, CA, United States  
Reid, Robert L., Kingston, Canada  
Sac-Morales, Arnold, Kingston, Canada  
Tomalty, Lewis L., Inverary, Canada

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001021370	A1	20010913
APPLICATION INFO.:	US 2001-816329	A1	20010326 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-293835, filed on 19 Apr 1999, PENDING Continuation-in-part of Ser. No. US 1993-82113, filed on 28 Jun 1993, GRANTED, Pat. No. US 5422093 Continuation-in-part of Ser. No. US 1992-865151, filed on 8 Apr 1992, GRANTED, Pat. No. US 5234940 Continuation-in-part of Ser. No. US 1991-783750, filed on 28 Oct 1991, GRANTED, Pat. No.		
US	5211938 Continuation of Ser. No. US 1989-386414, filed on 28 Jul 1989, GRANTED, Pat. No. US 5079262		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Thomas MacAllister, FOLEY & LARDNER, Washington Harbour, 3000 K Street, N.W., Suite 500, Washington, DC, 20007-5109		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	1285		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 2 OF 67 USPATFULL

ACCESSION NUMBER: 2001:235112 USPATFULL  
TITLE: Bioprocess for the high-yield production of food  
flavor-acceptable jasmonic acid and methyl jasmonate  
INVENTOR(S): Farbood, Mohamad I., State College, PA, United States  
Blocker, Robert W., Brick, NJ, United States  
McLean, Lynda B., Matawan, NJ, United States  
Sprecker, Mark A., Sea Bright, NJ, United States  
McLean, Michael P., Matawan, NJ, United States  
Kossiakoff, Nicolas, Les Arcs sur Argens, France  
Kim, Augustine Yonghwi, Morganville, NJ, United States  
Hagedorn, Myrna, Woodland Park, CO, United States  
PATENT ASSIGNEE(S): International Flavors & Fragrances Inc., New York, NY,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6333180	B1	20011225
APPLICATION INFO.:	US 1999-468134		19991221 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Lankford, Jr., Leon B.		
LEGAL REPRESENTATIVE:	Leightner, Joseph P.		

NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 25 Drawing Figure(s); 22 Drawing Page(s)  
LINE COUNT: 1944  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 67 USPATFULL

ACCESSION NUMBER: 2001:178846 USPATFULL  
TITLE: Recombinant methods and materials for producing  
epothilones C and D  
INVENTOR(S): Julien, Bryan, Oakland, CA, United States  
Katz, Leonard, Hayward, CA, United States  
Khosla, Chaitan, Palo Alto, CA, United States  
Tang, Li, Foster City, CA, United States  
PATENT ASSIGNEE(S): Kason Biosciences, Inc., Hayward, CA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6303342	B1	20011016
APPLICATION INFO.:	US 1999-443501		19991119 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-130560	19990422 (60)
	US 1999-122620	19990303 (60)
	US 1999-119386	19990210 (60)
	US 1998-109401	19981120 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Achutamurthy, Ponnathapu  
ASSISTANT EXAMINER: Kerr, Kathleen  
LEGAL REPRESENTATIVE: Kaster, Esq., Kevin, Murashige, Esq., Kate, Favorito,  
Esq., Carolyn  
NUMBER OF CLAIMS: 29  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 8 Drawing Page(s)  
LINE COUNT: 5366  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 4 OF 67 USPATFULL

ACCESSION NUMBER: 2001:173785 USPATFULL  
TITLE: Cytochrome P450 monooxygenases  
INVENTOR(S): Halkier, Barbara Ann, Copenhagen K., Denmark  
Bak, Soren, Copenhagen N., Denmark  
Kahn, Rachel Alice, Copenhagen K., Denmark  
Moller, Birger Lindberg, Bronshoj, Denmark  
PATENT ASSIGNEE(S): Syngenta Participations AG, Basel, Switzerland  
(non-U.S. corporation)  
Royal Veterinary and Agricultural University,  
Copenhagen, Denmark (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6300544	B1	20011009
	WO 9840470		19980917
APPLICATION INFO.:	US 1999-380420		19991112 (9)
	WO 1998-EP1253		19980305
			19991112 PCT 371 date
			19991112 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1997-810132	19970307
	DE 1997-810954	19971208
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Bui, Phuong T.	
LEGAL REPRESENTATIVE:	Meigs, J. Timothy	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1722	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 5 OF 67 USPATFULL

ACCESSION NUMBER: 2001:131342 USPATFULL  
 TITLE: Conjugates of dithiocarbamate disulfides with pharmacologically active agents and uses therefor  
 INVENTOR(S): Lai, Ching-San, Encinitas, CA, United States  
 Vassilev, Vassil P., San Diego, CA, United States  
 Wang, Tingmin, San Marcos, CA, United States  
 PATENT ASSIGNEE(S): Medinox, Inc., San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6274627	B1	20010814
APPLICATION INFO.:	US 1999-416619		19991012 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Weddington, Kevin E.		
LEGAL REPRESENTATIVE:	Reiter, Stephen E.Foley & Lardner		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	2173		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 6 OF 67 USPATFULL

ACCESSION NUMBER: 2001:107446 USPATFULL  
 TITLE: Prodrugs activated by targeted catalytic proteins  
 INVENTOR(S): von Borstel, Reid, Potomac, MD, United States  
 Casadei, Jan M., Bethesda, MD, United States  
 Kamireddy, Balreddy, Rockville, MD, United States  
 Kenten, John Henry, Gaithersburg, MD, United States  
 Martin, Mark T., Germantown, MD, United States  
 Massey, Richard J., Rockville, MD, United States  
 Napper, Andrew D., Natick, MA, United States  
 Simpson, David M., Adelphia, MD, United States  
 Smith, Rodger G., Jefferson, MD, United States  
 Titmas, Richard C., Rockville, MD, United States  
 Williams, Richard O., Potomac, MD, United States  
 PATENT ASSIGNEE(S): IGEN International, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6258360	B1	20010710
APPLICATION INFO.:	US 1994-325554		19941018 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-773042, filed on 10		

Oct 1991, now abandoned Continuation-in-part of Ser. No. US 1991-740501, filed on 5 Aug 1991, now abandoned Continuation-in-part of Ser. No. US 1998-190271, filed on 4 May 1998, now abandoned, said Ser. No. US 325554 Continuation-in-part of Ser. No. US 1991-700210, filed on 12 Jun 1991, now abandoned Continuation-in-part of Ser. No. WO 1989-US1951, filed on 4 May 1989 Continuation-in-part of Ser. No. US 1990-498225, filed on 23 Mar 1990, now patented, Pat. No. US 5229272

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Wortman, Donna C.  
LEGAL REPRESENTATIVE: Evans, Esq., BarryKramer Levin Naftalis & Frankel LLP  
NUMBER OF CLAIMS: 13  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 45 Drawing Figure(s); 37 Drawing Page(s)  
LINE COUNT: 5556  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 7 OF 67 USPATFULL

ACCESSION NUMBER: 2000:95042 USPATFULL  
TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor  
INVENTOR(S): Lai, Ching-San, Encinitas, CA, United States  
Vassilev, Vassil, San Diego, CA, United States  
PATENT ASSIGNEE(S): Medinox Inc., San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6093743		20000725
APPLICATION INFO.:	US 1998-103639		19980623 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Weddington, Kevin E.		
LEGAL REPRESENTATIVE:	Gary Cary Ware & Freidenrich, Reiter, Stephen E., Kirschenbaum, Shelia R.		
NUMBER OF CLAIMS:	51		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	2691		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 67 USPATFULL

ACCESSION NUMBER: 2000:91943 USPATFULL  
TITLE: Phototherapy based method for treating pathogens and composition for effecting same  
INVENTOR(S): Lurie, Raz, Tel Aviv, Israel  
PATENT ASSIGNEE(S): Dermatolazer Technologies Ltd., Tel Aviv, Israel (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6090788		20000718
APPLICATION INFO.:	US 1999-343199		19990630 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1998-US14162, filed on 13 Jul 1998		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Peselev, Elli		

LEGAL REPRESENTATIVE: Friedman, Mark M.  
NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)  
LINE COUNT: 1076  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 67 USPATFULL

ACCESSION NUMBER: 2000:77470 USPATFULL  
TITLE: Preparation of lactams from aliphatic  
.alpha..omega.-dinitriles  
INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States  
Fallon, Robert Donald, Elkton, MD, United States  
Gavagan, John Edward, Wilmington, DE, United States  
Herkes, Frank Edward, Wilmington, DE, United States  
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6077955		20000620
APPLICATION INFO.:	US 1998-108728		19980701 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-650073, filed on 17 May 1996, now patented, Pat. No. US 5858736		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Richter, Johann		
ASSISTANT EXAMINER:	Murray, Joseph		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2192		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 67 USPATFULL

ACCESSION NUMBER: 2000:64854 USPATFULL  
TITLE: Non-iron metalloporphyrins and methods of use  
INVENTOR(S): Stojiljkovic, Igor, Atlanta, GA, United States  
Churchward, Gordon G., Atlanta, GA, United States  
PATENT ASSIGNEE(S): Emory University, Atlanta, GA, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6066628		20000523
APPLICATION INFO.:	US 1998-5373		19980109 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-35079	19970109 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Raymond, Richard L.	
ASSISTANT EXAMINER:	Sripada, Pavanaram K	
LEGAL REPRESENTATIVE:	Greenlee, Winner and Sullivan, P.C.	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	1083	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.



L9 ANSWER 11 OF 67 USPATFULL

ACCESSION NUMBER: 2000:64716 USPATFULL  
TITLE: Nitrilase-producing acidovorax facilis  
INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States  
Fallon, Robert Donald, Elkton, MD, United States  
Gavagan, John Edward, Wilmington, DE, United States  
Herkes, Frank Edward, Wilmington, DE, United States  
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Company, Wilmington, DE,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6066490		20000523
APPLICATION INFO.:	US 1997-987938		19971210 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-650073, filed on 17 May 1996, now patented, Pat. No. US 5858736		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lankford, Jr., Leon B.		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2162		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 2001000333 EMBASE  
TITLE: .delta.-Aminolaevulinic acid modulates the resistance to fluconazole in a hem 1 mutant of Saccharomyces cerevisiae [6].  
AUTHOR: Kontoyiannis D.P.; May G.S.  
CORPORATE SOURCE: D.P. Kontoyiannis, Dept. Internal Medical Specialties, Section of Infectious Diseases, Univ. Texas M.D. Anderson Can. Ctr., 1515 Holcombe Boulevard, Houston, TX 77030, United States. dkontoyi@notes.mdacc.tmc.edu  
SOURCE: Journal of Antimicrobial Chemotherapy, (2000) 46/6 (1044-1046).  
Refs: 6  
ISSN: 0305-7453 CODEN: JACHDX  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Letter  
FILE SEGMENT: 004 Microbiology  
037 Drug Literature Index  
LANGUAGE: English

L9 ANSWER 13 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 2000441625 EMBASE  
TITLE: Cloning of the Aspergillus oryzae 5-aminolevulinate synthase gene and its use as a selectable marker.  
AUTHOR: Elrod S.L.; Jones A.; Berka R.M.; Cherry J.R.  
CORPORATE SOURCE: S.L. Elrod, Biological Sciences Department, California Polytechnic State Univ., San Luis Obispo, CA 93407, United States. selrod@calpoly.edu  
SOURCE: Current Genetics, (2000) 38/5 (291-298).  
Refs: 39  
ISSN: 0172-8083 CODEN: CUGED5  
COUNTRY: Germany  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 004 Microbiology  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L9 ANSWER 14 OF 67 USPATFULL

DUPLICATE 1

ACCESSION NUMBER: 1999:113776 USPATFULL  
TITLE: Photochemotherapeutic method using 5-  
**aminolevulinic acid** and other  
precursors of endogenous porphyrins  
INVENTOR(S): Kennedy, James C., Kingston, Canada  
Pottier, Roy H., Kingston, Canada  
Reid, Robert L., Kingston, Canada  
Sac-Morales, Arnold, Kingston, Canada  
Tomalty, Lewis L., Inverary, Canada  
PATENT ASSIGNEE(S): Queen's University at Kingston, Kingston, Canada  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5955490		19990921
APPLICATION INFO.:	US 1995-465242		19950605 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-92925, filed on 19 Jul 1993, now abandoned And Ser. No. US 1993-82113, filed on 28 Jun 1993, now patented, Pat. No. US 5422093, issued on 6 Jun 1995 which is a continuation-in-part of Ser. No. US 1992-865151, filed on 8 Apr 1992, now patented, Pat. No. US 5234940, issued on 10 Aug 1993 which is a continuation-in-part of Ser. No. US 1991-783750, filed on 28 Oct 1991, now patented, Pat. No. US 5211938, issued on 18 May 1993 which is a continuation of Ser. No. US 1989-386414, filed on 28 Jul 1989, now patented, Pat. No. US 5079262, issued on 7 Jan 1992, said Ser. No. US 92925 which is a continuation of Ser. No. US 1992-865156, filed on 8 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-783750, filed on 28 Oct 1991, now patented, Pat. No. US 5211938		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hollinden, Gary E.		
LEGAL REPRESENTATIVE:	Foley & Lardner		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1442		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 15 OF 67 USPATFULL

ACCESSION NUMBER: 1999:92827 USPATFULL  
TITLE: Preparation of lactams from aliphatic .alpha.,  
.omega.-dinitriles  
INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States  
Fallon, Robert Donald, Elkton, MD, United States  
Gavagan, John Edward, Wilmington, DE, United States  
Herkes, Frank Edward, Wilmington, DE, United States  
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5936114		19990810
APPLICATION INFO.:	US 1998-108631		19980701 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-650073, filed on 17 May		

1996, now patented, Pat. No. US 5858736, issued on 12 Jan 1999

DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Ramsuer, Robert W.  
 ASSISTANT EXAMINER: Sackey, Ebenezer  
 NUMBER OF CLAIMS: 1  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 2245  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 67 USPATFULL

ACCESSION NUMBER: 1999:78594 USPATFULL  
 TITLE: Preparation of lactams from aliphatic .alpha.,.omega.-Dinitiles  
 INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States  
 Fallon, Robert Donald, Elkton, MD, United States  
 Gavagan, John Edward, Wilmington, DE, United States  
 Herkes, Frank Edward, Wilmington, DE, United States  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5922589		19990713
APPLICATION INFO.:	US 1998-108729		19980701 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-650073, filed on 17 May 1996, now patented, Pat. No. US 5858736, issued on 12 Jan 1999		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2243		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 17 OF 67 USPATFULL

ACCESSION NUMBER: 1999:24130 USPATFULL  
 TITLE: Silver implantable medical device  
 INVENTOR(S): Ragheb, Anthony O., West Lafayette, IN, United States  
 Bates, Brian L., Bloomington, IN, United States  
 Fearnot, Neal E., West Lafayette, IN, United States  
 Osborne, Thomas A., Bloomington, IN, United States  
 Kozma, Thomas G., West Lafayette, IN, United States  
 Roberts, Joseph W., Minneapolis, MN, United States  
 Voorhees, III, William D., West Lafayette, IN, United States  
 PATENT ASSIGNEE(S): Cook Incorporated, Bloomington, IN, United States  
 (U.S. corporation)  
 MED Institute, Inc., West Lafayette, IN, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5873904		19990223
APPLICATION INFO.:	US 1997-803843		19970224 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-645646, filed on 16 May 1996 which is a continuation-in-part of Ser.		

No. US 1995-484532, filed on 7 Jun 1995, now patented,  
 Pat. No. US 5609629

DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Yu, Mickey  
 ASSISTANT EXAMINER: Cuddihy, Francis K.  
 LEGAL REPRESENTATIVE: Godlewski, Richard J.  
 NUMBER OF CLAIMS: 28  
 EXEMPLARY CLAIM: 25  
 NUMBER OF DRAWINGS: 26 Drawing Figure(s); 8 Drawing Page(s)  
 LINE COUNT: 1665  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 18 OF 67 USPATFULL  
 ACCESSION NUMBER: 1999:4398 USPATFULL  
 TITLE: Preparation of lactams from aliphatic  
 .alpha.,.omega.-dinitriles  
 INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States  
 Fallon, Robert Donald, Elkton, MD, United States  
 Gavagan, John Edward, Wilmington, DE, United States  
 Herkes, Frank Edward, Wilmington, DE, United States  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,  
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5858736		19990112
APPLICATION INFO.:	US 1996-650073		19960517 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2389		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 19 OF 67 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:388306 CAPLUS  
 DOCUMENT NUMBER: 131:40545  
 TITLE: Increased hemoprotein production by fungal mutants  
 deficient in heme catabolic enzyme activity  
 INVENTOR(S): Elrod, Susan L.  
 PATENT ASSIGNEE(S): Novo Nordisk Biotech, Inc., USA  
 SOURCE: PCT Int. Appl., 33 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9929874	A1	19990617	WO 1998-US25991	19981208
W:	AL, AU, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LU, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

AU 9918078 A1 19990628 AU 1999-18078 19981208  
 EP 1038004 A1 20000927 EP 1998-962953 19981208  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI  
 JP 2001526037 T2 20011218 JP 2000-524445 19981208  
 PRIORITY APPLN. INFO.: US 1997-67886 P 19971208  
 WO 1998-US25991 W 19981208  
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L9 ANSWER 20 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 ACCESSION NUMBER: 1999:134658 BIOSIS  
 DOCUMENT NUMBER: PREV199900134658  
 TITLE: Asperillus oryzae 5-aminolevulinic acid  
 synthases and nucleic acids encoding same.  
 AUTHOR(S): Elrod, S. L.; Cherry, J. R.  
 CORPORATE SOURCE: Davis, Calif. USA  
 ASSIGNEE: NOVO NORDISK BIOTECH, INC.  
 PATENT INFORMATION: US 5871991 Feb. 16, 1999  
 SOURCE: Official Gazette of the United States Patent and Trademark  
 Office Patents, (Feb. 16, 1999) Vol. 1219, No. 3, pp.  
 2482.  
 ISSN: 0098-1133.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English

L9 ANSWER 21 OF 67 USPATFULL  
 ACCESSION NUMBER: 1998:119030 USPATFULL  
 TITLE: Preparation of lactams from aliphatic  
 .alpha.,.omega.-dinitriles  
 INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States  
 Fallon, Robert Donald, Elkton, MD, United States  
 Gavagan, John Edward, Wilmington, DE, United States  
 Herkes, Frank Edward, Wilmington, DE, United States  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,  
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5814508		19980929
APPLICATION INFO.:	US 9102604		19970813 (8)
RELATED APPLN. INFO.:	Division of Ser. No.		650073, filed on 17 May 1996
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2271		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 22 OF 67 USPATFULL  
 ACCESSION NUMBER: 1998:128103 USPATFULL  
 TITLE: Method for enhancing the production of hemoproteins  
 INVENTOR(S): Mattoon, James R., Colorado Springs, CO, United States  
 Bajszar, George, Colorado Springs, CO, United States  
 PATENT ASSIGNEE(S): University Technology Corporation, Boulder, CO, United  
 States (U.S. corporation)

NUMBER	KIND	DATE
-----		

PATENT INFORMATION: US 5824511 19981020  
 APPLICATION INFO.: US 1995-509951 19950801 (8)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: McKelvey, Terry A.  
 LEGAL REPRESENTATIVE: Sheridan Ross P.C.  
 NUMBER OF CLAIMS: 16  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 8 Drawing Figure(s); 7 Drawing Page(s)  
 LINE COUNT: 692  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 23 OF 67 USPATFULL

ACCESSION NUMBER: 1998:79375 USPATFULL  
 TITLE: Substituted amic acid derivatives  
 INVENTOR(S): Nomoto, Takashi, Tsukuba, Japan  
 Hayashi, Masahiro, Tsukuba, Japan  
 Shibata, Jun, Tsukuba, Japan  
 Iwasawa, Yoshikazu, Tsukuba, Japan  
 Mitsuya, Morihiro, Tsukuba, Japan  
 Iida, Yoshiaki, Tsukuba, Japan  
 Nonoshita, Katsumasa, Tsukuba, Japan  
 Nagata, Yasufumi, Tsukuba, Japan  
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5777150		19980707
APPLICATION INFO.:	US 1996-696152		19960813 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-540329, filed on 6 Oct 1995, now patented, Pat. No. US 5606101 which is a division of Ser. No. US 1995-471081, filed on 6 Jun 1995, now patented, Pat. No. US 5488149 which is a continuation of Ser. No. US 1994-193850, filed on 9 Feb 1994, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1993-47364	19930212
	JP 1993-261713	19930924
	JP 1993-261714	19930924
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Trinh, Ba K.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier & Neustadt, P.C.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4780	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 24 OF 67 USPATFULL

ACCESSION NUMBER: 1998:51806 USPATFULL  
 TITLE: Hydroxy containing alkyl glycamides, low foaming detergent compositions comprising such and a process for their manufacture  
 INVENTOR(S): Vermeer, Robert, Nutley, NJ, United States  
 Harichian, Bijan, South Orange, NJ, United States

PATENT ASSIGNEE(S): Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5750733		19980512
APPLICATION INFO.:	US 1996-689178		19960806 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Shah, Mukund J.		
ASSISTANT EXAMINER:	Ngo, Tamthom T.		
LEGAL REPRESENTATIVE:	Koatz, Ronald A.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3217		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 25 OF 67 USPATFULL

ACCESSION NUMBER: 1998:19288 USPATFULL  
TITLE: Fountain solution for lithographic printing  
INVENTOR(S): Matsumoto, Hiroshi, Shizuoka, Japan  
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Minami-Ashigara, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5720800		19980224
APPLICATION INFO.:	US 1996-659582		19960606 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1995-147625	19950614
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Klemanski, Helene	
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, LLP	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
LINE COUNT:	543	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 26 OF 67 USPATFULL

ACCESSION NUMBER: 97:73463 USPATFULL  
TITLE: Catalytic antibody components  
INVENTOR(S): Paul, Sudhir, 6824 S. 145th St., Omaha, NE, United States 68137  
Powell, Michael J., 1024 Ocho Raos Dr., Danville, CA, United States 94526  
Massey, Richard J., 5 Valerian Ct., Rockville, MD, United States 20852  
Kenten, John H., 1921 Windjammer Way, Gaithersburg, MD,  
United States 20879

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5658753		19970819
APPLICATION INFO.:	US 1995-402158		19950309 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-57491, filed on 4 May 1993, now abandoned which is a continuation of Ser. No.		

US 1990-498225, filed on 23 Mar 1990, now patented,  
 Pat. No. US 5229272 which is a continuation-in-part of  
 Ser. No. US 1989-343081, filed on 25 Apr 1989, now  
 patented, Pat. No. US 5236836

DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Patterson, Jr., Charles L.  
 LEGAL REPRESENTATIVE: Ryan, John W., Igoe, Patrick J., Lemanowicz, John L.  
 NUMBER OF CLAIMS: 34  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 19 Drawing Figure(s); 15 Drawing Page(s)  
 LINE COUNT: 2305  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 27 OF 67 USPATFULL

ACCESSION NUMBER: 97:27388 USPATFULL  
 TITLE: Substituted amic acid derivatives  
 INVENTOR(S): Nomoto, Takashi, Tsukuba, Japan  
 Hayashi, Masahiro, Tsukuba, Japan  
 Shibata, Jun, Tsukuba, Japan  
 Iwasawa, Yoshikazu, Tsukuba, Japan  
 Mitsuya, Morihiro, Tsukuba, Japan  
 Iida, Yoshiaki, Tsukuba, Japan  
 Nonoshita, Katsumasa, Tsukuba, Japan  
 Nagata, Yasufumi, Tsukuba, Japan  
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5616803		19970401
APPLICATION INFO.:	US 1995-540628		19951006 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-471081, filed on 6 Jun 1995, now patented, Pat. No. US 5488149 which is a continuation of Ser. No. US 1994-193850, filed on 9 Feb 1994, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1993-47364	19930212
	JP 1993-261713	19930924
	JP 1993-261714	19930924
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Geist, Gary	
ASSISTANT EXAMINER:	Frazier, Barbara S.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier & Neustadt, P.C.	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4741	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 28 OF 67 USPATFULL

ACCESSION NUMBER: 97:16250 USPATFULL  
 TITLE: Substitute amic acid derivatives  
 INVENTOR(S): Nomoto, Takashi, Tsukuba, Japan  
 Hayashi, Masahiro, Tsukuba, Japan  
 Shibata, Jun, Tsukuba, Japan  
 Iwasawa, Yoshikazu, Tsukuba, Japan



Mitsuya, Morihiro, Tsukuba, Japan  
 Iida, Yoshiaki, Tsukuba, Japan  
 Nonoshita, Katsumasa, Tsukuba, Japan  
 Nagata, Yasufumi, Tsukuba, Japan  
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5606101		19970225
APPLICATION INFO.:	US 1995-540329		19951006 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-471081, filed on 6 Jun 1995, now patented, Pat. No. US 5488149 which is a continuation of Ser. No. US 1994-193850, filed on 9 Feb 1994, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1993-47364	19930212
	JP 1993-261713	19930924
	JP 1993-261714	19930924
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Conrad, Joseph	
ASSISTANT EXAMINER:	Frazier, Barbara S.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier, & Neustadt, P.C.	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4734	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 29 OF 67 USPATFULL

ACCESSION NUMBER: 96:113826 USPATFULL  
 TITLE: Method for obtaining antifungal and herbicidal compounds that target the first committed step in shingolipid long-chain base biosynthesis  
 INVENTOR(S): Dickson, Robert C., Lexington, KY, United States  
 Lester, Robert L., Lexington, KY, United States  
 PATENT ASSIGNEE(S): The University of Kentucky Research Foundation, Lexington, KY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5583030		19961210
APPLICATION INFO.:	US 1994-365981		19941228 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-906899, filed on 30 Jun 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Bugaisky, Gabriele E.		
LEGAL REPRESENTATIVE:	Lowe, Price, LeBlanc & Becker		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	1212		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 30 OF 67 USPATFULL

ACCESSION NUMBER: 96:9520 USPATFULL  
 TITLE: Substituted amic acid derivatives  
 INVENTOR(S): Nomoto, Takashi, Tsukuba, Japan  
 Hayashi, Masahiro, Tsukuba, Japan  
 Shibata, Jun, Tsukuba, Japan  
 Iwasawa, Yoshikazu, Tsukuba, Japan  
 Mitsuya, Morihiro, Tsukuba, Japan  
 Iida, Yoshiaki, Tsukuba, Japan  
 Nonoshita, Katsumasa, Tsukuba, Japan  
 Nagata, Yasufumi, Tsukuba, Japan  
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5488149		19960130
APPLICATION INFO.:	US 1995-471081		19950606 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-193850, filed on 9 Feb 1994, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1993-47364	19930212
	JP 1993-261713	19930924
	JP 1993-261714	19930924
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Shaver, Paul F.	
ASSISTANT EXAMINER:	Frazier, Barbara S.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier, & Neustadt	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4882	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 31 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 ACCESSION NUMBER: 1995:62359 BIOSIS  
 DOCUMENT NUMBER: PREV199598076659  
 TITLE: Selection of a high 5-aminolevulinic acid  
 -producing Rhodobacter sphaeroides mutant which is  
 insensitive to yeast extract.  
 AUTHOR(S): Tanaka, Tohru (1); Watanabe, Keitarou; Nishikawa, Seiji;  
 Hotta, Yasushi; Sasaki, Ken; Murooka, Yoshikatsu; Nagai,  
 Shiro  
 CORPORATE SOURCE: (1) Cosmo Res. Inst. Co., 1134-2 Gongendo, Satte, Saitama  
 340-01 Japan  
 SOURCE: Seibutsu-Kogaku Kaishi, (1994) Vol. 72, No. 6, pp.  
 461-467.  
 ISSN: 0919-3758.  
 DOCUMENT TYPE: Article  
 LANGUAGE: Japanese  
 SUMMARY LANGUAGE: Japanese; English

L9 ANSWER 32 OF 67 USPATFULL  
 ACCESSION NUMBER: 93:109225 USPATFULL  
 TITLE: Octalactone-containing composition, fermentation  
 process for producing same and organoleptic uses  
 thereof  
 INVENTOR(S): Farbood, Mohamad I., Holmdel, NJ, United States

PATENT ASSIGNEE(S) : McLean, Lynda B., Matawan, NJ, United States  
Morris, James A., Howell, NJ, United States  
Bondarovich, Henry A., Holmdel, NJ, United States  
International Flavors & Fragrances Inc., New York, NY,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5274128		19931228
APPLICATION INFO.:	US 1992-887144		19920522 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-797055, filed on 25 Nov 1991, now patented, Pat. No. US 5166366 Division of Ser. No. US 1991-719154, filed on 21 Jun 1991, now patented, Pat. No. US 5112803, issued on 12 May 1992		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Reamer, James H.		
LEGAL REPRESENTATIVE:	Lieberman, Arthur L.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	31 Drawing Figure(s); 28 Drawing Page(s)		
LINE COUNT:	1818		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 33 OF 67 USPATFULL

ACCESSION NUMBER: 93:59044 USPATFULL  
TITLE: Catalytic antibody components  
INVENTOR(S): Paul, Sudhir, Omaha, NE, United States  
Powell, Michael J., Gaithersburg, MD, United States  
Massey, Richard J., Rockville, MD, United States  
Kenten, John H., Gaithersburg, MD, United States  
PATENT ASSIGNEE(S): Igen, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5229272		19930720
APPLICATION INFO.:	US 1990-498225		19900323 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-343081, filed on 25 Apr 1989		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Patterson, Jr., Charles L.		
LEGAL REPRESENTATIVE:	Evans, Barry		
NUMBER OF CLAIMS:	77		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 14 Drawing Page(s)		
LINE COUNT:	2439		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 34 OF 67 USPATFULL

ACCESSION NUMBER: 93:12306 USPATFULL  
TITLE: Disinfectant with wide spectrum germicidal activity  
INVENTOR(S): Vallieres, Lucien, 3001 Sherbrooke W., Ste. G03,  
Montreal, Quebec, Canada H3Z 2X8

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5186946		19930216

APPLICATION INFO.: US 1992-841812 19920226 (7)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Robinson, Allen J.  
LEGAL REPRESENTATIVE: Lesperance, Pierre, Martineau, Francois  
NUMBER OF CLAIMS: 12  
EXEMPLARY CLAIM: 1  
LINE COUNT: 423  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 35 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1993:522078 BIOSIS  
DOCUMENT NUMBER: PREV199396135485  
TITLE: Effect of culture pH on the extracellular production of 5-  
**aminolevulinic acid** by Rhodobacter  
sphaeroides from volatile fatty acids.  
AUTHOR(S): Sasaki, K.; Tanaka, T.; Nishio, N.; Nagai, S.  
CORPORATE SOURCE: Dep. Fermentation Technol., Fac. Eng., Hiroshima Univ.,  
Kagamiyama 1-4-1, Higashi-Hiroshima 724 Japan  
SOURCE: Biotechnology Letters, (1993) Vol. 15, No. 8, pp.  
859-864.  
ISSN: 0141-5492.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L9 ANSWER 36 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 90180087 EMBASE  
DOCUMENT NUMBER: 1990180087  
TITLE: Isolation and characterization of a new mutant of  
Saccharomyces cerevisiae with altered synthesis of 5-  
**aminolevulinic acid**.  
AUTHOR: Carvajal E.; Panek A.D.; Mattoon J.R.  
CORPORATE SOURCE: Biotechnology Center, University of Colorado, Colorado  
Springs, United States  
SOURCE: Journal of Bacteriology, (1990) 172/6 (2855-2861).  
ISSN: 0021-9193 CODEN: JOBAAY  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 004 Microbiology  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L9 ANSWER 37 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1990:447939 BIOSIS  
DOCUMENT NUMBER: BA90:98579  
TITLE: USE OF A LYSINE OXIDASE ELECTRODE FOR LYSINE DETERMINATION  
IN MAILLARD MODEL REACTIONS AND IN SOYBEAN MEAL  
HYDROLYSATES.  
AUTHOR(S): ASSOUMANI M B; NGUYEN N P; LARDINOIS P F; VAN BREE J;  
BAUDICHAU A; BRUYER D C  
CORPORATE SOURCE: SANDERS-LAB. BIOTECHOL., F.91200 ATHIS-MONS, FRANCE.  
SOURCE: LEBENSM-WISS TECHNOL, (1990) 23 (4), 322-327.  
CODEN: LBWTAP. ISSN: 0023-6438.  
FILE SEGMENT: BA; OLD  
LANGUAGE: English

L9 ANSWER 38 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 90079238 EMBASE  
DOCUMENT NUMBER: 1990079238  
TITLE: Characteristics of L-alanine:4,5-dioxovaleric acid

transaminase: An alternate pathway of heme biosynthesis in yeast.  
 AUTHOR: Hoare K.; Datta K.  
 CORPORATE SOURCE: Sch. Environmental Sciences, Jawaharlal Nehru University, New Delhi-110067, India  
 SOURCE: Archives of Biochemistry and Biophysics, (1990) 277/1 (122-129).  
 ISSN: 0003-9861 CODEN: ABBIA4  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article  
 FILE SEGMENT: 004 Microbiology  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

L9 ANSWER 39 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 ACCESSION NUMBER: 1990:83658 BIOSIS  
 DOCUMENT NUMBER: BR38:39248  
 TITLE: REGULATORY ROLE OF 5 AMINOLEVULINIC ACID DEHYDRATASE IN THE DIMORPHIC FUNGUS MUCOR-ROUXII.  
 AUTHOR(S): PAVETO C; PASSERON S; STELLA A M; BATLLE A M D C  
 CORPORATE SOURCE: DEP. QUIM. BIOL., FAC. CIENCIAS EXACTAS NATURALES, UNIV. BUENOS AIRES, ARGENTINA.  
 SOURCE: SYMPOSIUM ON A CENTURY OF PORPHYRIA, GLASGOW, SCOTLAND, UK,  
 1989. MOL ASPECTS MED, (1990) 11 (1-2), 28.  
 CODEN: MAMED5. ISSN: 0098-2997.  
 DOCUMENT TYPE: Conference  
 FILE SEGMENT: BR; OLD  
 LANGUAGE: English

L9 ANSWER 40 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 ACCESSION NUMBER: 90048998 EMBASE  
 DOCUMENT NUMBER: 1990048998  
 TITLE: Heterologous expression of human 5-aminolevulinate dehydratase in Saccharomyces cerevisiae.  
 AUTHOR: Schauer W.E.; Mattoon J.R.  
 CORPORATE SOURCE: Biotechnology Center, University of Colorado, Colorado Springs, United States  
 SOURCE: Current Genetics, (1990) 17/1 (1-6).  
 ISSN: 0172-8083 CODEN: CUGED5  
 COUNTRY: Germany  
 DOCUMENT TYPE: Journal; Article  
 FILE SEGMENT: 004 Microbiology  
 022 Human Genetics  
 029 Clinical Biochemistry  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

L9 ANSWER 41 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 ACCESSION NUMBER: 89266986 EMBASE  
 DOCUMENT NUMBER: 1989266986  
 TITLE: Structural discrimination in the sparking function of sterols in the yeast Saccharomyces cerevisiae.  
 AUTHOR: Lorenz R.T.; Casey W.M.; Parks L.W.  
 CORPORATE SOURCE: Department of Microbiology, North Carolina State University, Raleigh, NC 27695, United States  
 SOURCE: Journal of Bacteriology, (1989) 171/11 (6169-6173).  
 ISSN: 0021-9193 CODEN: JOBAAAY  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L9 ANSWER 42 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1990:93333 BIOSIS

DOCUMENT NUMBER: BA89:52684

TITLE: REGULATORY ROLE OF DELTA **AMINOLEVULINIC**  
**ACID** DEHYDRATASE IN THE DIMORPHIC **FUNGUS**  
MUCOR-ROUXII.

AUTHOR(S): PAVETO C; PASSERON S; ATELLA A M; BATLLE A M D C  
CORPORATE SOURCE: VIAMONTE 1881 10 A., 1056 BUENOS AIRES, ARGENTINA.  
SOURCE: COMP BIOCHEM PHYSIOL B COMP BIOCHEM, (1989) 94 (4),  
635-640.

CODEN: CBPBB8. ISSN: 0305-0491.

FILE SEGMENT: BA; OLD

LANGUAGE: English

L9 ANSWER 43 OF 67 USPATFULL

ACCESSION NUMBER: 88:80657 USPATFULL

TITLE: Fungicidal pyridazines

INVENTOR(S): Arnold, Wendell R., Carmel, IN, United States  
Dow, William C., Hayward, CA, United States  
Johnson, George W., Greenfield, IN, United States

PATENT ASSIGNEE(S): Eli Lilly and Company, Indianapolis, IN, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4791110		19881213
APPLICATION INFO.:	US 1986-859558		19860505 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1985-744722, filed on 14 Jun 1985, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Berch, Mark L.		
LEGAL REPRESENTATIVE:	Stuart, Donald R., Whitaker, Leroy, Jones, Joseph A.		
NUMBER OF CLAIMS:	45		
EXEMPLARY CLAIM:	1,16,26		
LINE COUNT:	3004		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 44 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 88144009 EMBASE

DOCUMENT NUMBER: 1988144009

TITLE: Effects of selective toxin from Helminthosporium carbonum  
on chlorophyll synthesis in maize.

AUTHOR: Rasmussen J.B.; Scheffer R.P.

CORPORATE SOURCE: Department of Botany and Plant Pathology, Michigan State  
University, East Lansing, MI 48824-1312, United States

SOURCE: PHYSIOL. MOL. PLANT PATHOL., (1988) 32/2 ( 283-291).

ISSN: 0885-5765 CODEN: PMPPEZ

COUNTRY: United Kingdom

DOCUMENT TYPE: Journal

FILE SEGMENT: 052 Toxicology

LANGUAGE: English

SUMMARY LANGUAGE: English

L9 ANSWER 45 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 87108575 EMBASE

DOCUMENT NUMBER: 1987108575  
TITLE: Studies on the biosynthesis of antibiotics.  
AUTHOR: Floss H.G.; Keller P.J.; Beale J.M.  
CORPORATE SOURCE: Department of Chemistry, The Ohio State University,  
Columbus, OH 43210, United States  
SOURCE: Journal of Natural Products (Lloydia), (1986) 49/6  
(957-970).  
CODEN: JNPRDF  
COUNTRY: United States  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 037 Drug Literature Index  
LANGUAGE: English

L9 ANSWER 46 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 86070416 EMBASE  
DOCUMENT NUMBER: 1986070416  
TITLE: Biosynthesis of the antibiotic reductionmycin.  
AUTHOR: Beale J.M.; Lee J.P.; Nakagawa A.; et al.  
CORPORATE SOURCE: Department of Chemistry, The Ohio State University,  
Columbus, OH 43210, United States  
SOURCE: Journal of the American Chemical Society, (1986) 108/2  
(331-332).  
CODEN: JACSAT  
COUNTRY: United States  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 037 Drug Literature Index  
LANGUAGE: English

L9 ANSWER 47 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 85206724 EMBASE  
DOCUMENT NUMBER: 1985206724  
TITLE: Regulation by heme of the synthesis of cytochrome c  
oxidase  
subunits V and VII in yeast.  
AUTHOR: Gollub E.G.; Dayan J.  
CORPORATE SOURCE: Department of Biology, Barnard College, Columbia  
University, NY, United States  
SOURCE: Biochemical and Biophysical Research Communications,  
(1985)  
128/3 (1447-1454).  
CODEN: BBRCA  
COUNTRY: United States  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 004 Microbiology  
LANGUAGE: English

L9 ANSWER 48 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 85147099 EMBASE  
DOCUMENT NUMBER: 1985147099  
TITLE: Biosynthesis of asukamycin. Formation of the  
2-amino-3-hydroxycyclopent-2-enone moiety.  
AUTHOR: Nakagawa A.; Wu T.-S.; Keller P.J.; et al.  
CORPORATE SOURCE: Kitasato Institute, Kitasato University, Minato-ku, Tokyo  
108, Japan  
SOURCE: Journal of the Chemical Society - Series Chemical  
Communications, (1985) NO. 8/- (519-521).  
CODEN: JCCCAT  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 037 Drug Literature Index

LANGUAGE: English

L9 ANSWER 49 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 86117582 EMBASE

DOCUMENT NUMBER: 1986117582

TITLE: Heme-mediated effect of cAMP on mitochondriogenesis during glucose repression-derepression in *Saccharomyces cerevisiae*.

AUTHOR: Gopalan G.; Rajamanickam C.

CORPORATE SOURCE: Department of Biochemistry, School of Biological Sciences, Madurai Kamaraj University, Madurai 625 021, India

SOURCE: Indian Journal of Biochemistry and Biophysics, (1985) 22/4 (214-217).

CODEN: IJBBDQ

COUNTRY: India

DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology

LANGUAGE: English

L9 ANSWER 50 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 85211735 EMBASE

DOCUMENT NUMBER: 1985211735

TITLE: Involvement of heme biosynthesis in control of sterol uptake by *Saccharomyces cerevisiae*.

AUTHOR: Lewis T.A.; Taylor F.R.; Parks L.W.

CORPORATE SOURCE: Department of Microbiology, Oregon State University, Corvallis, OR 97331, United States

SOURCE: Journal of Bacteriology, (1985) 163/1 (199-207).

CODEN: JOBAAY

COUNTRY: United States

DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology

LANGUAGE: English

L9 ANSWER 51 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 84131366 EMBASE

DOCUMENT NUMBER: 1984131366

TITLE: Plasmid-mediated complementation of a *.DELTA.-aminolevulinic-acid*-requiring *Saccharomyces cerevisiae* mutant.

AUTHOR: Bard M.; Ingolia T.D.

CORPORATE SOURCE: Department of Biology, Indiana University-Purdue University

at Indianapolis, P.O. Box 647, Indianapolis, IN 46223, United States

SOURCE: Gene, (1984) 28/2 (195-199).

CODEN: GENED6

COUNTRY: Netherlands

DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology

022 Human Genetics

LANGUAGE: English

L9 ANSWER 52 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 83123748 EMBASE

DOCUMENT NUMBER: 1983123748

TITLE: The biosynthesis of antibiotic A23187.

AUTHOR: Zmijewski Jr. M.J.; Wong R.; Paschal J.W.; Dorman D.E.

CORPORATE SOURCE: Dep. Med. Chem., Coll. Pharm., Univ. Utah, Salt Lake City, UT 84112, United States



SOURCE: Tetrahedron, (1983) 39/8 (1255-1263).  
CODEN: TETRAB  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 037 Drug Literature Index  
LANGUAGE: English

L9 ANSWER 53 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 84078544 EMBASE

DOCUMENT NUMBER: 1984078544

TITLE: Cloning of the .delta.-aminolevulinic  
acid synthase structural gene in yeast.

AUTHOR: Arrese M.; Carvajal E.; Robison S.; et al.

CORPORATE SOURCE: Department of Biology, College of Letters, Arts and  
Sciences, University of Colorado, Colorado Springs, CO  
80907, United States

SOURCE: Current Genetics, (1983) 7/3 (175-183).

CODEN: CUGED5

COUNTRY: Germany

DOCUMENT TYPE: Journal

FILE SEGMENT: 022 Human Genetics

004 Microbiology

LANGUAGE: English

L9 ANSWER 54 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 84002309 EMBASE

DOCUMENT NUMBER: 1984002309

TITLE: In situ assay for 5-aminolevulinate dehydratase and  
application to the study of a catabolite  
repression-resistant Saccharomyces cerevisiae mutant.

AUTHOR: Borralho L.M.; Panek A.D.; Malamud D.R.; et al.

CORPORATE SOURCE: Inst. Chem., Fed. Univ. Rio de Janeiro, Rio de Janeiro,  
Brazil

SOURCE: Journal of Bacteriology, (1983) 156/1 (141-147).

CODEN: JOBAAY

COUNTRY: United States

DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology

LANGUAGE: English

L9 ANSWER 55 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 83018535 EMBASE

DOCUMENT NUMBER: 1983018535

TITLE: Biochemical characterization of the OXI mutants of the  
yeast Saccharomyces cerevisiae.

AUTHOR: Keyhani E.; Keyhani J.

CORPORATE SOURCE: Lab. Cell Biol. Biochem., Inst. Biochem. Biophys., Univ.  
Tehran, Tehran, Iran (Islamic Republic of)

SOURCE: Biochimica et Biophysica Acta, (1982) 717/2 (355-368).

CODEN: BBACAQ

COUNTRY: Netherlands

DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology

LANGUAGE: English

L9 ANSWER 56 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 82002273 EMBASE

DOCUMENT NUMBER: 1982002273

TITLE: Mechanism of thiamine-induced respiratory deficiency in  
Saccharomyces carlsbergensis.

AUTHOR: Nakamura I.; Isobe N.; Nakamura N.; et al.  
CORPORATE SOURCE: Lab. Industr. Biochem., Dept. Industr. Chem., Fac. Engin.,  
Kyoto Univ., Kyoto, Japan  
SOURCE: Journal of Bacteriology, (1981) 147/3 (954-961).  
CODEN: JOBAAY  
COUNTRY: United States  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 037 Drug Literature Index  
004 Microbiology  
LANGUAGE: English

L9 ANSWER 57 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 82088163 EMBASE  
DOCUMENT NUMBER: 1982088163  
TITLE: Regulation of vitamin B12 and bacteriochlorophyll  
biosynthesis in a facultative methylotroph,  
Protaminobacter

ruberrubus.  
AUTHOR: Sato K.; Ishida K.; Kuno T.; et al.  
CORPORATE SOURCE: Dept. Food Sci. Technol., Nagoya Univ., Nagoya 464, Japan  
SOURCE: Journal of Nutritional Science and Vitaminology, (1981)  
27/5 (439-447).  
CODEN: JNSVA5  
COUNTRY: Japan  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 037 Drug Literature Index  
LANGUAGE: English

L9 ANSWER 58 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 81022143 EMBASE  
DOCUMENT NUMBER: 1981022143  
TITLE: The effect of .delta.-aminolevulinate on catalase  
T-messenger RNA levels in .delta.-aminolevulinate  
synthase-defective mutants of Saccharomyces cerevisiae.  
AUTHOR: Richter K.; Ammerer G.; Hartter E.; Ruis H.  
CORPORATE SOURCE: Inst. Allg. Biochem., Univ. Wien, Austria  
SOURCE: Journal of Biological Chemistry, (1980) 255/17  
(8019-8022).  
CODEN: JBCHA3  
COUNTRY: United States  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 004 Microbiology  
LANGUAGE: English

L9 ANSWER 59 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 78315207 EMBASE  
DOCUMENT NUMBER: 1978315207  
TITLE: Fatty acid and complex lipid composition of a  
Saccharomyces  
cerevisiae mutant unable to synthesize .delta.-  
**aminolevulinic acid.**  
AUTHOR: Mudd J.B.; Saltzgaber-Mueller J.  
CORPORATE SOURCE: Dept. Biochem., Univ. California., Riverside, Calif.  
92521,  
United States  
SOURCE: Archives of Biochemistry and Biophysics, (1978) 186/2  
(359-364).  
CODEN: ABBIA4  
COUNTRY: United States  
DOCUMENT TYPE: Journal

FILE SEGMENT: 029 Clinical Biochemistry  
004 Microbiology  
LANGUAGE: English

L9 ANSWER 60 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 78317389 EMBASE  
DOCUMENT NUMBER: 1978317389  
TITLE: Labelled acetone and **levulinic** acid are formed  
when [14C]acetate is being converted to mycophenolic acid  
in Penicillium brevicompactum.  
AUTHOR: Nulton C.P.; Campbell I.M.  
CORPORATE SOURCE: Dept. Life Sci., Fac. Arts Sci., Univ. Pittsburgh, Pa.  
15261, United States  
SOURCE: Canadian Journal of Microbiology, (1978) 24/2 (199-201).  
CODEN: CJMIAZ  
COUNTRY: Canada  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 004 Microbiology  
029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: French

L9 ANSWER 61 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 78018930 EMBASE  
DOCUMENT NUMBER: 1978018930  
TITLE: Mitochondrial biogenesis during fungal spore germination:  
respiratory cytochromes of dormant and germinating spores  
of Botryodiplodia.  
AUTHOR: Brambl R.; Josephson M.  
CORPORATE SOURCE: Dept. Plant Pathol., Univ. Minnesota, St Paul, Minn.  
55108,  
United States  
SOURCE: Journal of Bacteriology, (1977) 129/1 (291-297).  
CODEN: JOBAAY  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 004 Microbiology  
LANGUAGE: English

L9 ANSWER 62 OF 67 USPATFULL  
ACCESSION NUMBER: 75:54624 USPATFULL  
TITLE: Process for producing a protein hydrolysate  
INVENTOR(S): Yokotsuka, Tamotsu, Nagareyama, Japan  
Iwaasa, Takashi, Noda, Japan  
Fujii, Mitsuharu, Noda, Japan  
PATENT ASSIGNEE(S): Kikkoman Shoyu Co., Ltd., Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3912822		19751014
APPLICATION INFO.:	US 1974-491487		19740724 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1973-345455, filed on 27 Mar 1973, now patented, Pat. No. US 3852479 which is a continuation-in-part of Ser. No. US 1970-102878, filed on 30 Dec 1970, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Shapiro, Lionel M.		
ASSISTANT EXAMINER:	Warden, Robert J.		
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman		
NUMBER OF CLAIMS:	1		

EXEMPLARY CLAIM: 1  
LINE COUNT: 617  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 63 OF 67 USPATFULL  
ACCESSION NUMBER: 74:56614 USPATFULL  
TITLE: PROCESS FOR PRODUCING A PROTEIN HYDROLYSATE  
INVENTOR(S): Yokotsuka, Tamotsu, Nagareyama, Japan  
Iwaasa, Takashi, Noda, Japan  
Fujii, Mitsuharu, Noda, Japan  
PATENT ASSIGNEE(S): Kikkoman Shoyu Co., Ltd., Noda, Noda-shi, Japan  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3852479		19741203
APPLICATION INFO.:	US 1973-345455		19730327 (5)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1970-102878, filed on 30 Dec 1970, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Monacell, A. Louis		
ASSISTANT EXAMINER:	Warden, Robert J.		
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
LINE COUNT:	653		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 64 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1972:128998 BIOSIS  
DOCUMENT NUMBER: BA53:28998  
TITLE: ON EFFECTING PORPHYRIN METABOLISM BY GRISEOFULVIN PART 1  
BIOCHEMICAL BASES.  
AUTHOR(S): FIEDLER H  
SOURCE: DERMATOL MONATSSCHR, (1971) 157 (2), 79-87.  
CODEN: DMONBP. ISSN: 0011-9083.  
FILE SEGMENT: BA; OLD  
LANGUAGE: Unavailable

L9 ANSWER 65 OF 67 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1970:118667 CAPLUS  
DOCUMENT NUMBER: 72:118667  
TITLE: Induction of dimorphism in the basidiomycete Lenzites  
saepiaria  
AUTHOR(S): Scheld, H. W.; Perry, J. J.  
CORPORATE SOURCE: Dep. of Microbiol., North Carolina State Univ.,  
Raleigh, N. C., USA  
SOURCE: J. Bacteriol. (1970), 102(1), 271-7  
CODEN: JOBAAY  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L9 ANSWER 66 OF 67 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1970:63482 CAPLUS  
DOCUMENT NUMBER: 72:63482  
TITLE: Interference by carbohydrate and other substances in  
the estimation of protein with the Folin-Ciocalteu  
reagent  
AUTHOR(S): Bonitati, James P.; Elliott, Willard Buford; Miles,  
P.

E1 1553 --> onychomycosis/CT  
HNTE Creation date 01 JUL 19: 79  
E2 0 UF mycosis,nail/CT  
E3 0 UF nail mycosis/CT  
E4 0 UF nail,fungal infection/CT  
E5 0 UF onychomycoses/CT  
E6 0 UF onychromycosis/CT  
E7 0 UF tinea linguinum/CT  
E8 0 UF tinea unguium/CT  
E9 0 UF tinia unguium/CT  
E10 1641 RMN C2.810.800.20.440./CT  
E11 8506 RMN C2.810.810.20./CT  
E12 8506 RMN C6.440.585.210./CT  
E13 8987 RMN C6.440.810.20./CT  
\*\*\*\*\* END\*\*\*